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PATENT ABSTRACTS OF JAPAN

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(43) Date of publication of application: **27.08.96**

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**A61K 35/78**  
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(21) Application number: **07067169**

(22) Date of filing: **15.02.95**

(71) Applicant: **MIKIMOTO PHARMACEUT CO LTD**

(72) Inventor: **SHIMOMURA HAJIME**  
**MITA YURI**

(54) **TYROSINASE INHIBITOR**

(57) Abstract:

PURPOSE: To obtain the subject inhibitor containing an extract of leaf of Japanese chestnut or bur of Japanese chestnut capable of suppressing activity of tyrosinase inhibitor, having high safety and effective in beautifying skin.

CONSTITUTION: This inhibitor contains an extract of leaf of Japanese chestnut or bur of Japanese chestnut with a

solvent. Furthermore, e.g. leaf of Japanese chestnut or bur of Japanese chestnut is preferably extracted using water or a hydrophilic organic solvent such as ethanol. Specifically, 300ml purified water is added to 10g leaf of Japanese chestnut and the mixture is heated for 3hr and filtered and then subjected to lyophilization, etc. For example, the inhibitor is added to a cosmetic raw material such as squalane and preferably used as a lotion, etc.

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## PATENT ABSTRACTS OF JAPAN

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**A61K 35/78****A61K 35/78****A61K 7/00****A61K 9/00**(21) Application number: **07067167**(22) Date of filing: **15.02.95**(71) Applicant: **MIKIMOTO PHARMACEUT CO LTD**(72) Inventor: **IZAWA KAZUO  
YAMASHITA TAKAHIRO**(54) **ANTI-INFLAMMATORY AGENT**

(57) Abstract:

**PURPOSE:** To obtain the subject anti-inflammatory agent containing the leaves of Japanese chestnut, burs of Japanese chestnut or leaves of loquat as an active ingredient, safe to skin and also having a potent hyaluronidase inhibition and an anti-inflammation effects.

**CONSTITUTION:** This anti-inflammatory agent comprises one of the leaves of Japanese chestnut, burs of Japanese chestnut and leaves of loquat as an active ingredient.

Furthermore, e.g. it is preferable to extract the leaves of Japanese chestnut, burs of Japanese chestnut or leaves of loquat by adding water or a hydrophilic organic solvent such as ethanol, more specifically it is preferable to add 300ml purified water to 10g leaves of Japanese chestnut, to heat for 3hr and to lyophilize, etc., after its filtration, and it is also preferable to add the extract to other raw materials for a cosmetic and to use as a lotion, etc.

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**A61K 9/00**

(21) Application number: **07067170**(22) Date of filing: **15.02.95**(71) Applicant: **MIKIMOTO PHARMACEUT CO LTD**

(72) Inventor: **NOMURA SHIGEO**  
**NAKAMURA MASAMI**

(54) **HYALURONIDASE INHIBITOR**

(57) Abstract:

PURPOSE: To obtain the subject inhibitor containing an extract of leaf of Japanese chestnut, bur of Japanese chestnut and leaf of Eriobotrya japonica and keeping lubricity and softness of skin, suppressing activity of hyaluronidase decomposing hyaluronic acid for preventing aging and preventing fine wrinkles or dryness of skin.

CONSTITUTION: This inhibitor contains an extract of leaf of Japanese chestnut, bur of Japanese chestnut or leaf

of Eriobotrya japonica with solvent. Furthermore, e.g. leaf of Japanese chestnut, bur of Japanese chestnut or leaf of Eriobotrya japonica is preferably extracted using water or a hydrophilic organic solvent such as ethanol. Concretely, 300ml purified water is added to 10g leaf of Japanese chestnut and the mixture is heated for 3hr and filtered and subjected to lyophilization, etc. For example, the inhibitor is added to a cosmetic raw material such as squalane and preferably used as a lotion, etc.

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**A61K 35/78****A61K 35/78****A61K 7/00****A61K 7/48****A61K 7/50**(21) Application number: **06001039**(71) Applicant: **TAKANO CO LTD**(22) Date of filing: **11.01.94**(72) Inventor: **KAWAKAMI AKIRA**(54) **INHIBITOR OF COLLAGENASE**

(57) Abstract:

PURPOSE: To obtain an inhibitor of collagen available from a natural product capable of directly sticking to the sensitive skin.

CONSTITUTION: This inhibitor of collagen contains a plant dried powder obtained from at least one raw material plant selected from a fruit of *Punica granatum* L., a fruit and leaf of lemon balm, a leaf of *Geranium thunbergii* Sieb. et Zucc., a leaf of *Agrimonia eupatoria* L., a leaf of oregano (a plant of the genus *Origanum*), a

leaf of *Prunella vulgaris* L., a flower and a leaf of *Veronicastrum sibiricum* Pennell, a fruit of *Parabenzoin praecox* Nakai, a flower of *Rosa multiflora* Thunb., a flower of *Smilax china* L., a leaf of *Castanea crenata* Sieb. et Zucc., a flower of *Oenothera odorata* Jacq. and a leaf of *Sanguisorba officinalis* L. An extract solution prepared by extracting the plant dried powder with water contains an inhibiting ingredient of collagenase capable of inhibiting the activity of collagenase which is a decomposing enzyme of the collagen.

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(11) Publication number: **2002167321 A**(43) Date of publication of application: **11.06.02**

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**A61K 7/50**(21) Application number: **2000363899**(71) Applicant: **DOI JIRO DOI SATOMI**(22) Date of filing: **29.11.00**(72) Inventor: **DOI JIRO****(54) MANUFACTURING METHOD OF BATHING AGENT COMPOSITION****(57) Abstract:**

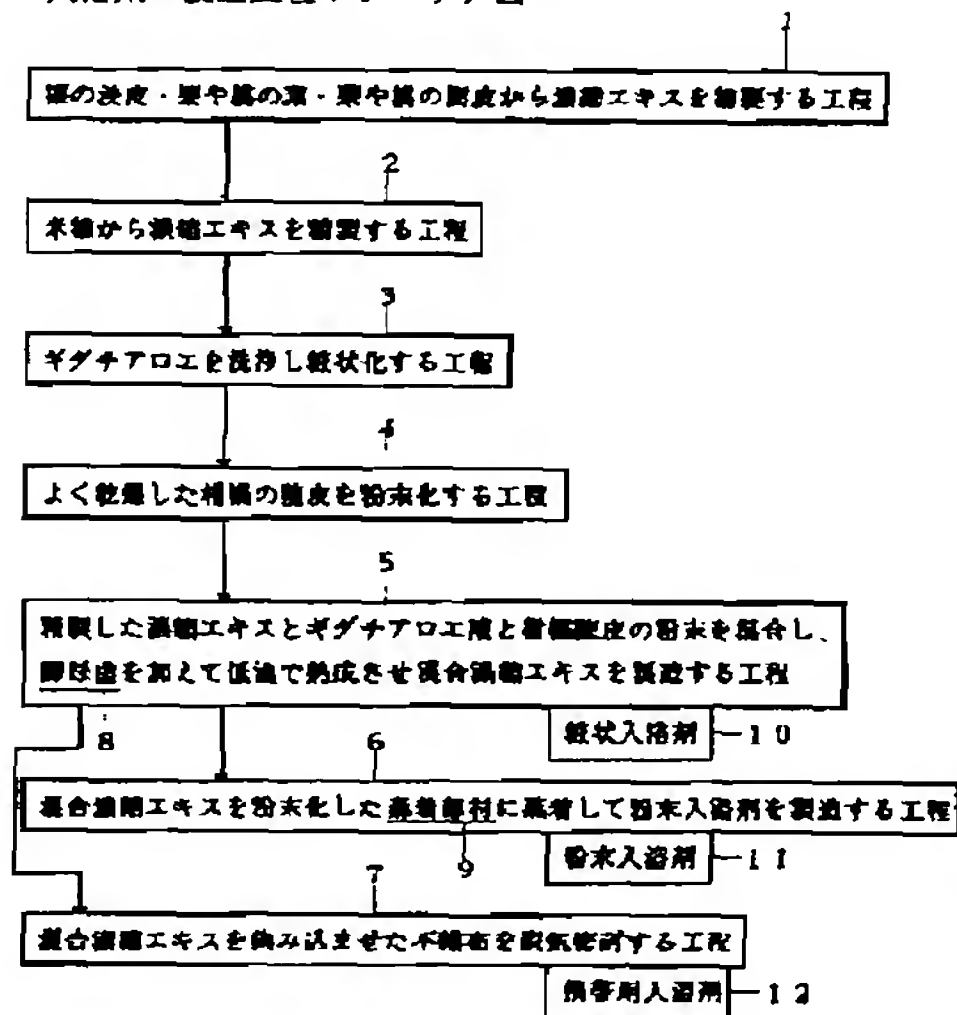
**PROBLEM TO BE SOLVED:** To develop a bathing agent composition which is prepared by mixing a concentrated extract from the epidermis of a chestnut with the crude drug components of a medicinal herb and concentrating the mixture, easy to use, usable at any place, and brings about a feeling of refreshment by removing bacteria from the skin, relieving itching and keeping the moisture, while the concentrated extract from the epidermis of the chestnut has been applied to the cold compress or compress of a diseased part in a folk remedy.

**SOLUTION:** The manufacturing method of the liquid bathing agent comprises a process 1 in which components are extracted from a material such as the epidermis of the chestnut or the like, concentrated and purified, a process 2 in which the extract of a rice bran is extracted, concentrated and purified, a liquefying process 3 in which the leaves of Candelabra aloe are liquefied, a powdering process 4 in which the dried orange peel is powdered, a process 5 in which the concentrated extract, the solution of Candelabra aloe and the powdered dried orange peel are mixed, and then the mixture thus obtained is moved into a container and supplied with yeast to mature in a low-temperature refrigerator to get the concentrated extract mixture thus matured. A manufacturing method of the powdered

bathing agent in which the concentrated extract mixture thus matured is deposited on a powdered vapor-depositing material by a vapor deposition. A manufacturing method of the bathing agent suitable for portable use in which the concentrated extract mixture is infiltrated into a non-woven fabric and then deaeration and sealing are carried out.

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入浴剤の製造工程のブロック図



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**A61K 45/00****A61K 7/00****A61K 7/48****A61K 31/135****A61K 31/40****A61K 31/4418****A61K 31/5415****A61K 35/78****A61P 17/00****A61P 17/16****A61P 43/00**(21) Application number: **2002344796**(22) Date of filing: **28.11.02**(71) Applicant: **KOSE CORP**(72) Inventor: **MITANI HIROAKI  
NIIMOTO YUKIKO  
SEI EIJI**

(54) **DERMOPATHY INHIBITOR,  
DERMOPATHY-IMPROVING AGENT, AND SKIN  
CARE PREPARATION FOR EXTERNAL USE  
CONTAINING THEM**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a dermopathy-improving agent for inhibiting or improving dermopathy caused by exposure to ultraviolet light, namely dermopathy such as wrinkle formation, skin tumor,

pachyderma or sclerema, and to provide a skin care preparation for external use containing the dermopathy-improving agent as an active ingredient.

SOLUTION: The dermopathy-improving agent comprises an antihistaminic medicine and/or a plant extract having antihistaminic action. The skin care preparation for external use comprises one or more kinds of the dermopathy-improving agents as active ingredients.

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**A61K 7/00**

(21) Application number: **2002346969**

(22) Date of filing: **29.11.02**

(71) Applicant: **KOSE CORP**

(72) Inventor: **MITANI HIROAKI**  
**NIIMOTO YUKIKO**  
**HOSHINO HIROSHI**

(54) **DERMOPATHY INHIBITOR, DERMOPATHY  
IMPROVING AGENT, AND SKIN CARE  
PREPARATION FOR EXTERNAL USE  
CONTAINING THEM**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a dermatopathy inhibitor or a dermatopathy-improving agent for inhibiting or improving wrinkle formation, skin tumor, pachyderma and sclerema caused by exposure to ultraviolet light (solar light), and to provide a skin care preparation

for external use containing the dermatopathy inhibitor and/or the dermatopathy-improving agent.

SOLUTION: The dermatopathy inhibitor or the dermatopathy-improving agent comprises vitamin Ds and an antihistaminic medicine or a plant extract having antihistaminic action. The skin care preparation for external use comprises the dermatopathy inhibitor and/or the dermatopathy-improving agent.

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**A61K 7/00**(21) Application number: **2003118441**(22) Date of filing: **23.04.03**(71) Applicant: **MIKIMOTO PHARMACEUT CO LTD**(72) Inventor: **ADACHI KATSUYOSHI**  
**TADA TAKAHIRO**  
**ITO SHIHO**  
**ARAMAKI KANAME**(54) **SKIN CARE PREPARATION FOR EXTERNAL USE**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a skin care preparation for external use which has a high effect on wrinkles by using a further effectively improved peptide containing Glu-Glu-Met-Gln-Arg-Arg sequence.

SOLUTION: This skin care preparation for external use is

obtained by formulating the peptide containing the Glu-Glu-Met-Gln-Arg-Arg sequence with one or more kinds selected from a humectant, cell activator, antiinflammatory agent, antioxidant, bleaching ingredient, hyaluronidase inhibitor, antiplasmin agent, active oxygen inhibitor, collagenase activity inhibitor and antihistaminic agent.

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